



RIDOT TMC Incident Statistics 10/1/2012 To 12/31/2012

The Rhode Island transportation system serves 39 cities and towns, encompassing urban, suburban, and tourism areas. The Rhode Island Department of Transportation's Transportation Management Center (RIDOT TMC) has been addressing the problem of increasing congestion in Rhode Island by informing the traveler of crashes and unusual delays. In doing so, the TMC has provided measurable benefits to the transportation system, and has developed the technology and institutional awareness necessary to expand the Intelligent Transportation Systems (ITS) Program (called RhodeWays) to the benefit of Rhode Island travelers.

The RIDOT TMC maintains detailed statistics on incidents that we manage from our center. Because the data are entered by our TMC Operators, the statistics are dependent on what we can observe on the roadways with our equipment. Review and compilation of these statistics is done quarterly. By making these statistics available to you, we hope that you can learn more about the program and understand the benefit of the services we provide to the Rhode Island motoring public.

The types of incidents tabulated in this report include disabled vehicles, debris on the roadway, emergency roadwork, vehicle accidents, and vehicle rollovers. Additionally, a category exists for congestion delays that are outside of typical recurring congestion. The TMC does assist in information dissemination for planned events (such as construction) as well, but those types of events are not included in the statistics. Also, abandoned vehicles are not included since they tend to skew the statistics.

We hope you find this report interesting and that it helps in understanding the significant benefit that the RhodeWays program provides to the people who travel Rhode Island's roadways every day. Also, please remember to check the TMC website frequently for updates (<http://www.tmc.state.ri.us>), including construction and incident information, and highway camera images.

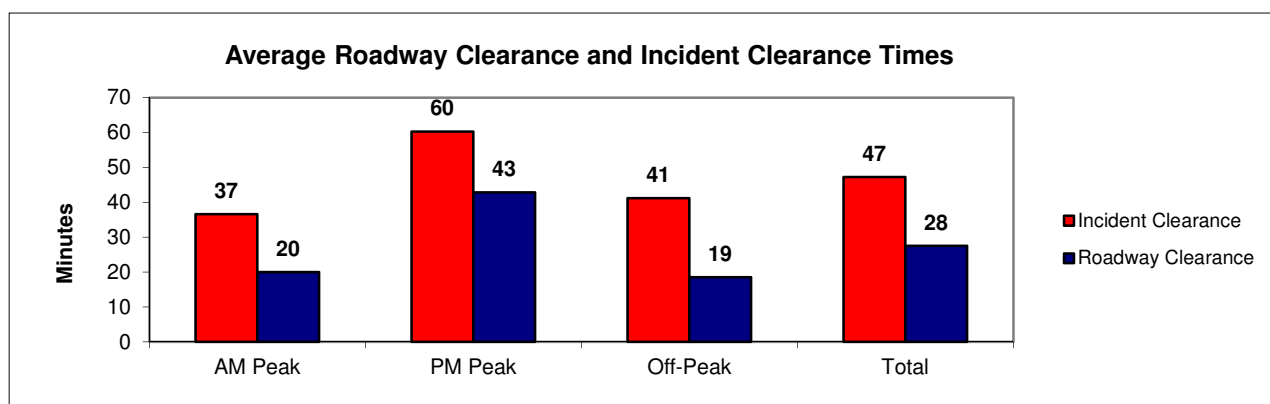
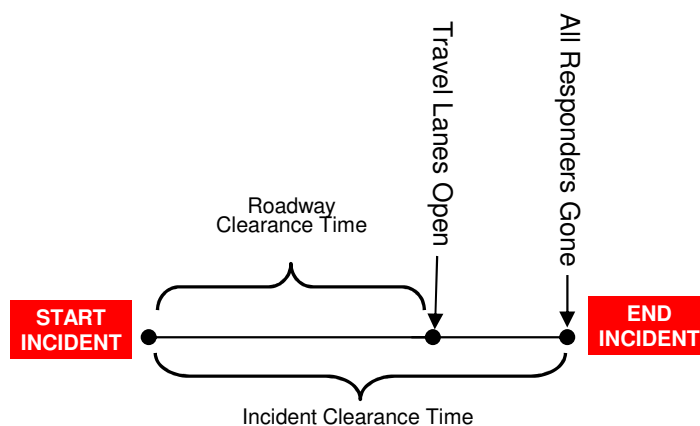
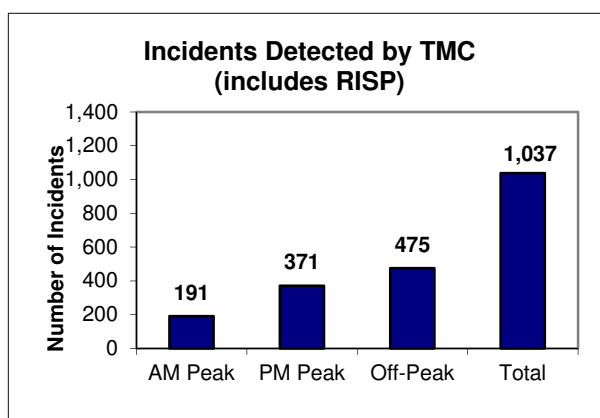
RIDOT TMC Incident Statistics Report

1. Peak Period Incident Statistics*

	AM Peak	PM Peak	Off-Peak	Total
Number of Incidents	193	380	486	1059
Avg. Incident Clearance Time (min)	37	60	41	47
Avg. Roadway Clearance Time (min)	20	43	19	28
# Detected by TMC Operators	113	104	176	393
# Detected by State Police (RISP)	78	267	299	644
# Notified by RhodeWatchers	0	0	0	0
# Utilizing VMS	10	27	63	100
# Utilizing DMS	65	136	176	377
# Utilizing HAR	46	43	99	188
# Posted to Web	190	377	481	1048
Avg. Delay Cost**	\$154,778	\$254,935	\$174,013	\$199,545
Total Delay Cost	\$29,872,243	\$96,875,429	\$84,570,351	\$211,318,023

* AM Peak: 6:00AM to 10:00 AM, PM Peak: 3:00PM to 7:00PM, Monday - Friday

** Delay Cost is a function of incident duration, volume on the roadway, delay per person, and cost per hour of delay for both commercial and personal vehicles. Average delay cost includes only incidents with a lane blockage and represents average cost per incident.



Note: Statistics in this report are only for incidents that the TMC reported or responded to during the quarter. They do not include all incidents that occurred on Rhode Island roadways.

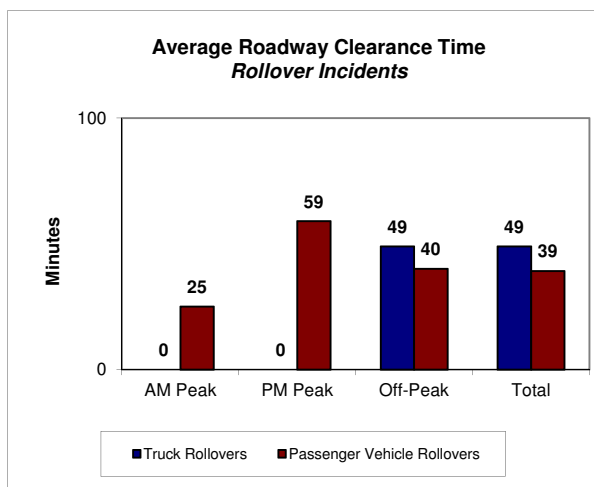
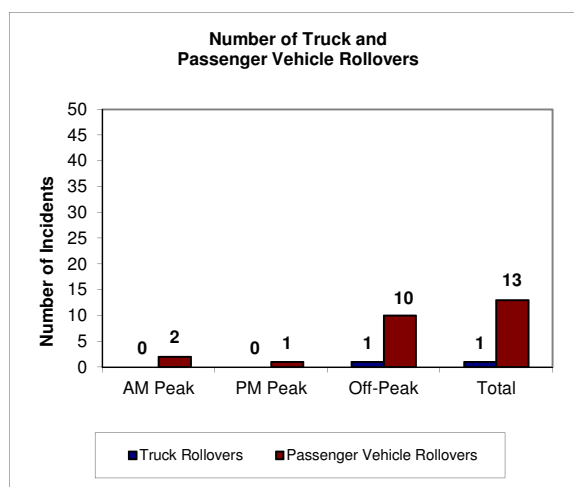
Incident Clearance Time is the time from the start of an incident (or when it is detected) to the time when responders leave the scene and/or the incident is declared as cleared.

Roadway Clearance Time is the time from the start of an incident (or when it is detected) to the time when all travel lanes are available for traffic.

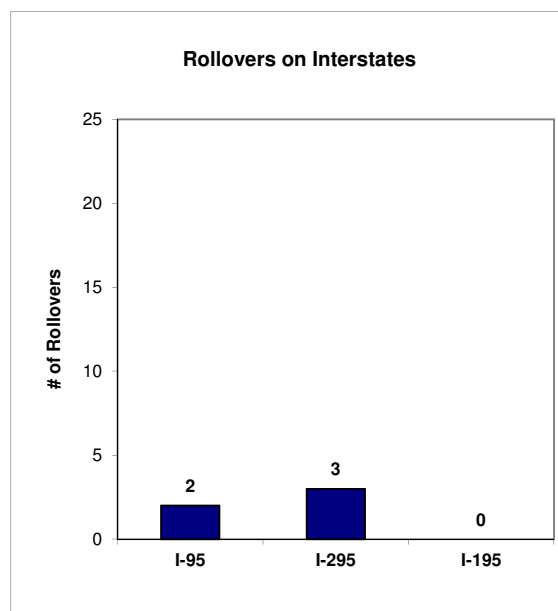
2. Rollover Incident Statistics*

VEHICLES	Trucks				Automobiles			
	AM Peak	PM Peak	Off-Peak	Total	AM Peak	PM Peak	Off-Peak	Total
No. of Rollovers	0	0	1	1	2	1	10	13
Avg. Incident Clearance (min)	0	0	50	50	44	59	49	49
Avg. Roadway Clearance (min)	0	0	49	49	25	59	40	39

* AM Peak: 6:00AM to 10:00 AM. PM Peak: 3:00PM to 7:00PM. Monday - Friday



Roadway	Exit Number	Number Of Rollovers
<i>Interstate 295 Southbound</i>	1	1
<i>Interstate 295 Southbound</i>	7B	1
<i>Interstate 295 Southbound</i>	6	1
<i>Interstate 95 Northbound</i>	30	1
<i>Interstate 95 Southbound</i>	25	1
<i>Route 006 Eastbound</i>	N/A	1
<i>Route 006 Westbound</i>	N/A	1
<i>Route 037 Eastbound</i>	5A	1
<i>Route 078 Westbound</i>	5	1
<i>Route 138 Westbound</i>	N/A	1
<i>Route 146 Northbound</i>	N/A	1
<i>Route 146 Northbound</i>	N/A	1
<i>Route 146 Northbound</i>	N/A	1
<i>Route 165 Southbound</i>	N/A	1
TOTAL		14



3. Incidents by Severity Level

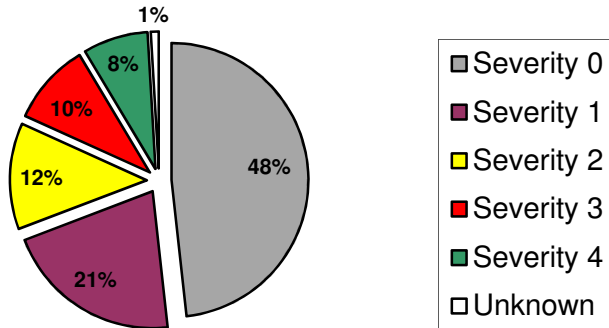
Severity Level*	No. of Incidents
Severity 0	511
Severity 1	222
Severity 2	133
Severity 3	102
Severity 4	81
Unknown	10
Total	1059

Number of Incidents with a Secondary Incident:

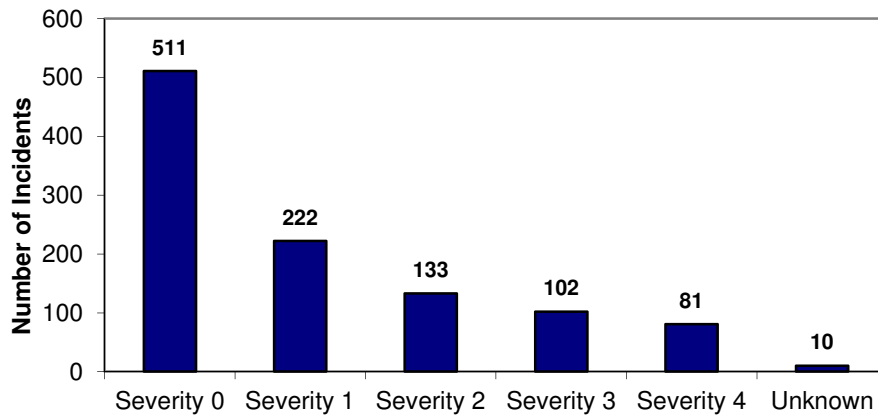
Percentage of Incidents with a Secondary Incident:

Note: A "secondary" incident is one that is the result of an earlier incident.

Percent of Incidents by Severity Level



Number of Incidents by Severity Level



*Definition of Incident Severity Levels:

Severity 0: No injuries and no travel lanes blocked

Severity 1: 1/4+ travel lanes blocked with no injuries OR median/shoulder closed with injuries

Severity 2: 1/3 or 2/4+ lanes blocked OR Fire w/ 0 lanes closed OR hazardous materials (HAZMAT) w/ 0 lanes closed

Severity 3: 1/2 or 2/3 or 3/4+ lanes blocked OR Fire w/ 1/3 or 2/4 lanes closed OR Hazmat w/ 2/4 lanes closed

Severity 4: All travel lanes blocked OR fatality OR Hazmat w/ clean-up OR Fire w/ 1/2, 2/3, 3/4 lanes closed OR Structural damage w/ 1/3, 2/3+ lanes closed

Unknown: Incidents without a recorded severity level

Note: For travel lanes blocked terminology, "1/4" indicates 1 out of 4 lanes blocked

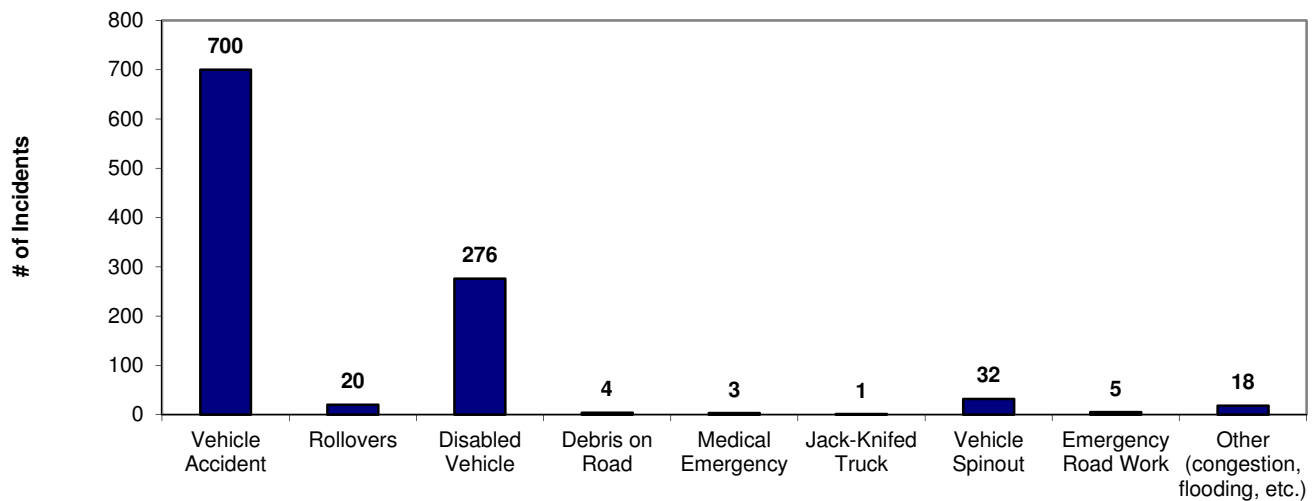
4. Incidents by Type

Incident Type	No. of Incidents
Vehicle Accident	700
Rollovers	20
Disabled Vehicle	276
Debris on Road	4
Medical Emergency	3
Jack-Knifed Truck	1
Vehicle Spinout	32
Emergency Road Work	5
Other (congestion, flooding, etc.)	18
Total Number of Incidents	1059

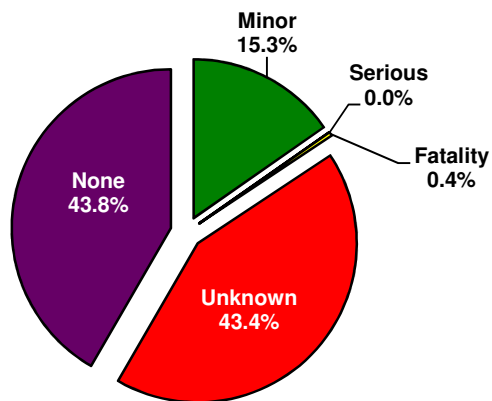
5. Incidents by Injury Type

Injury Type	No. of Incidents
Minor	162
Serious	0
Fatality	4
Unknown	452
None	441
Total	1059

Number of Incidents by Type



Percent of Incidents by Injury Type



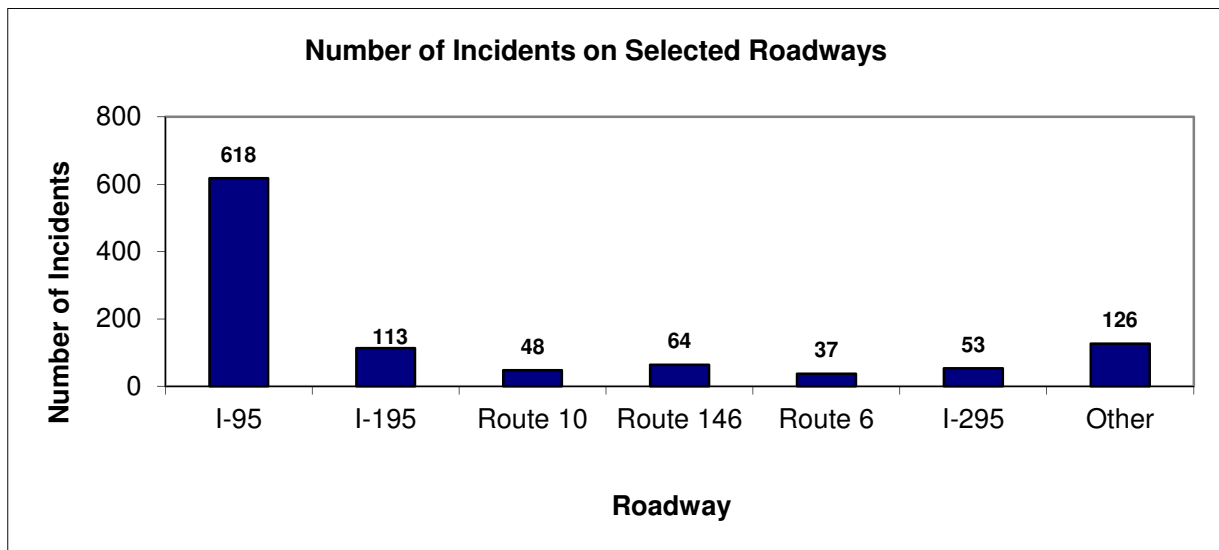
6. Incidents by Pavement and Weather Conditions

Pavement Condition	No. of Incidents
Dry	693
Wet	305
Icy	10
Snow-Covered	50
Flooded	1
Other	0
<i>Total</i>	<i>1059</i>
Precipitation	
None	773
Light-moderate rain falling	191
Heavy rain falling	35
Light-moderate sleet falling	0
Heavy sleet falling	1
Light-moderate snow falling	33
Heavy snow falling	26
<i>Total</i>	<i>1059</i>
Wind	
Calm to Moderate	1005
Moderate to Strong	47
Gusts over 50 mph	3
Gusts over 75 mph	0
Hurricane	0
Other	0
N/A	4
<i>Total</i>	<i>1059</i>
Visibility	
Clear	770
Light fog	21
Dense fog	5
Reduced- rain	191
Reduced-snow	36
Poor-heavy rain/sleet	5
Poor-heavy snow	23
Reduced-smoke	0
Other	0
N/A	8
<i>Total</i>	<i>1059</i>

7. Incidents Detected by Primary Notifier on Selected Roadways

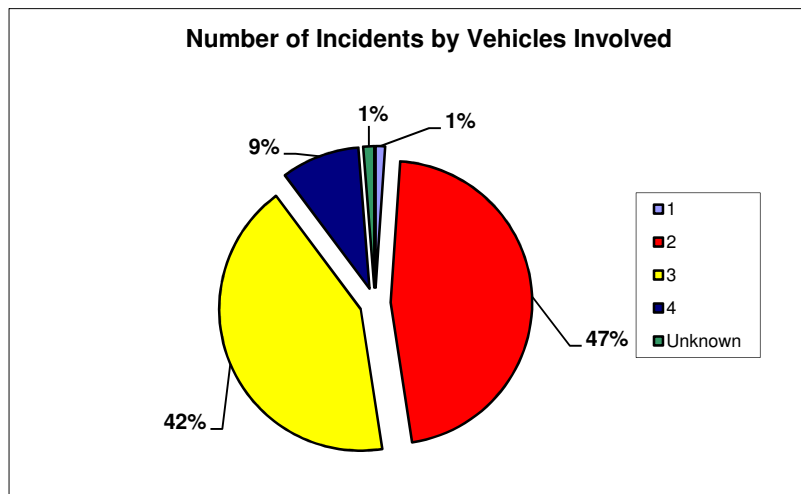
Roadway	Primary Notifier	No. of Incidents
I-195	TMC Operator	37
	State Police Scanner	70
	Local Fire Department	0
	Rhode Watcher	0
	Media/MetroNetworks	0
	Traffic.com	0
	Transcom	0
	Other	6
	Total	113
I-95	TMC Operator	256
	State Police Scanner	334
	Local Fire Department	0
	Rhode Watcher	0
	Media/MetroNetworks	0
	Traffic.com	0
	Transcom	0
	Other	28
	Total	618
I-295	TMC Operator	15
	State Police Scanner	34
	Local Fire Department	0
	Rhode Watcher	0
	Media/MetroNetworks	0
	Traffic.com	0
	Transcom	0
	Other	4
	Total	53

Roadway	Primary Notifier	No. of Incidents
Route 10	TMC Operator	22
	State Police Scanner	26
	Local Fire Department	0
	Rhode Watcher	0
	Media/MetroNetworks	0
	Traffic.com	0
	Transcom	0
	Other	0
	Total	48
Route 146	TMC Operator	23
	State Police Scanner	38
	Local Fire Department	0
	Rhode Watcher	0
	Media/MetroNetworks	0
	Traffic.com	0
	Transcom	0
	Other	3
	Total	64
Route 6	TMC Operator	15
	State Police Scanner	18
	Local Fire Department	1
	Rhode Watcher	0
	Media/MetroNetworks	0
	Traffic.com	0
	Transcom	0
	Other	3
	Total	37



8. Incidents by Number of Vehicles Involved

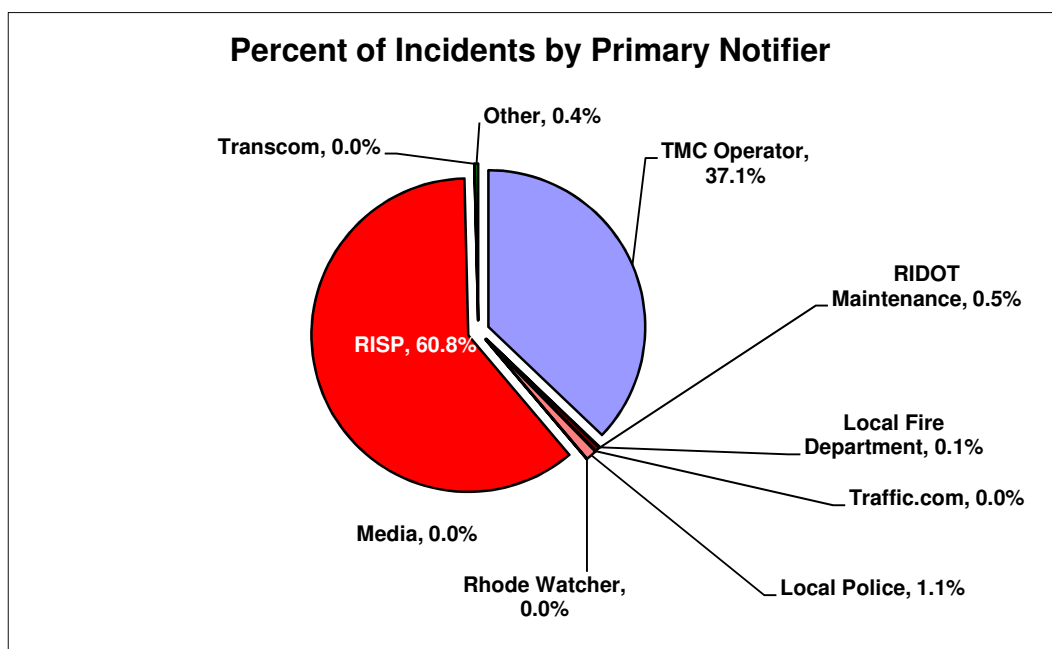
No. of Vehicles Involved	No. of Incidents
1	11
2	478
3	434
4	92
5	18
6	9
7	4
8	0
9	0
10+	0
Unknown	13
Total Incidents	1059



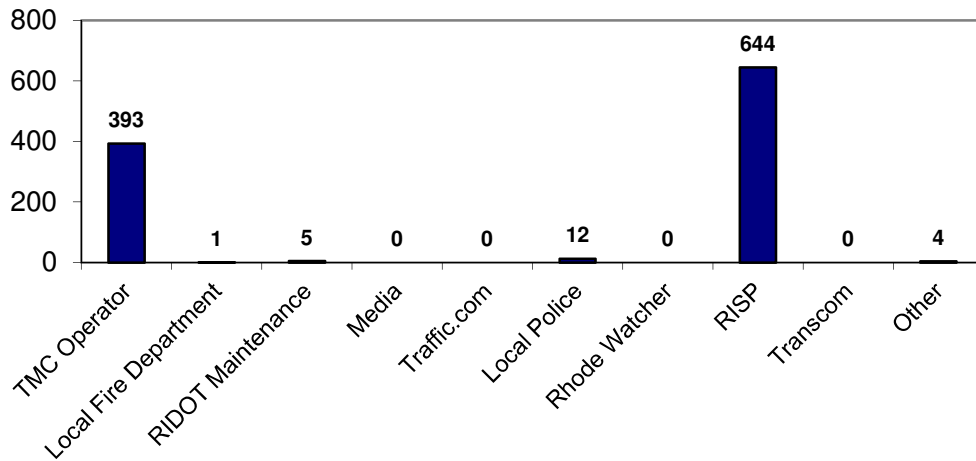
9. Incident Notification

Primary Notifier*	No. of Incidents
TMC Operator	393
Local Fire Department	1
RIDOT Maintenance	5
Media	0
Traffic.com	0
Local Police	12
Rhode Watcher	0
RISP	644
Transcom	0
Other	4
Total	1059

*First notifier of the incident to TMC



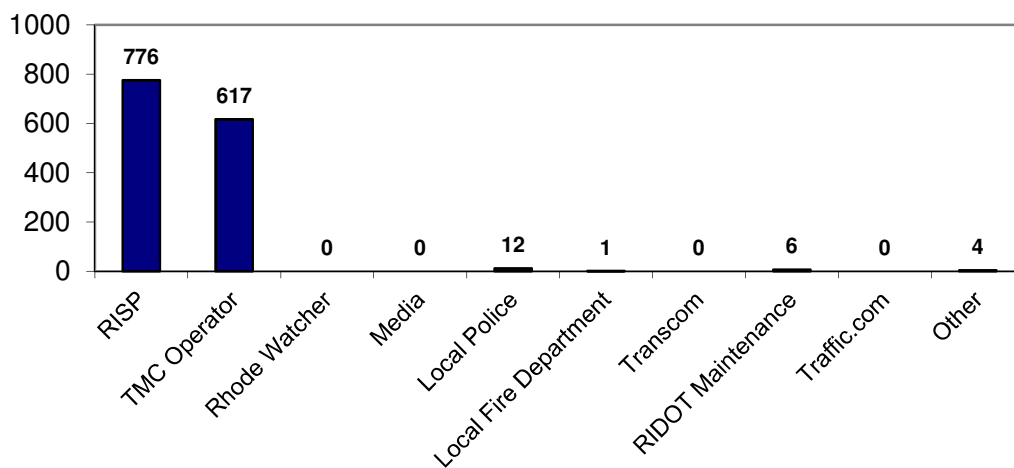
Number of Incidents by Primary Notifier



All Notifiers	No. of Incidents
RISP	776
TMC Operator	617
Rhode Watcher	0
Media	0
Local Police	12
Local Fire Department	1
Transcom	0
RIDOT Maintenance	6
Traffic.com	0
Other	4

Note: Primary notifier indicates the first notifier of the incident to the TMC. Additional notifiers are also logged, and are represented in the statistics for "all notifiers".

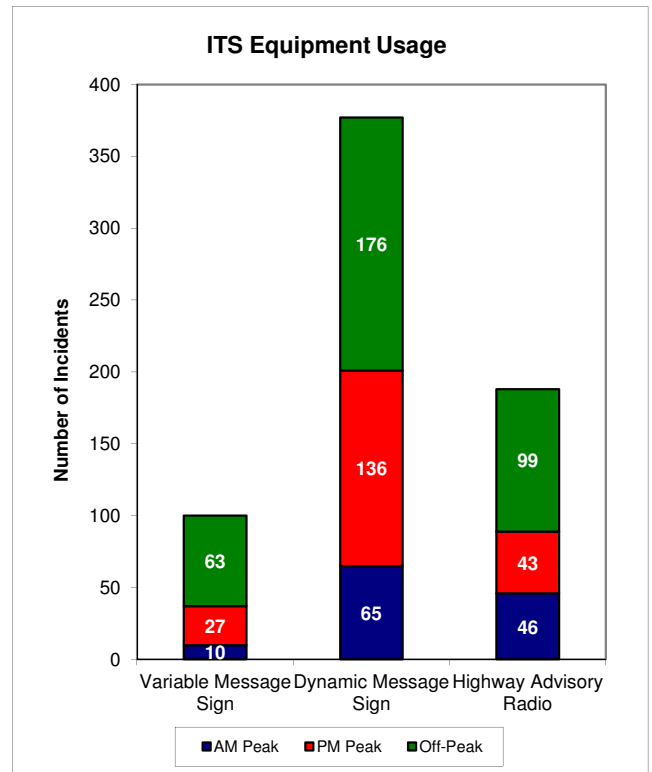
Number of Incidents by All Notifiers



10. Incident Response

On-Scene Responding Agency	No. of Incidents	% of Total Incidents
State Police	945	89.24%
Tow	398	37.58%
Local Fire Department	250	23.61%
EMS	230	21.72%
Local Police	60	5.67%
Service Patrol	5	0.47%
Mass Highway	0	0.00%
DOT	20	1.89%
Hazmat	0	0.00%
DEM	1	0.09%
Connecticut DOT	0	0.00%
Construction	2	0.19%
Coast Guard	0	0.00%
Department of Health	0	0.00%
K-9	0	0.00%
RIPTA	0	0.00%

	# of Incidents
# Utilizing (HAR,VMS or DMS)	430
# Utilizing VMS	100
# Utilizing DMS	377
# Utilizing HAR	188
# Posted to Web	1048



Note: Numbers and percentages in upper table indicate how many of the incidents during the month were responded to by the agency indicated. Note that multiple agencies may respond to an incident, so percentages do not add up to 100%.

